

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Fuyutoshi SATO et al.

Application No.: New U.S. Patent Application

Filed: September 23, 2003

Docket No.: 117256

For: LEAD-FREE PIEZOELECTRIC CERAMIC COMPOSITION WHEREIN Cu IS  
CONTAINED IN  $(K_xA_{1-x})_y(Nb_{1-z}B_z)O_3$  PEROVSKITE COMPOUND, AND PROCESS OF  
PREPARING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language reference 1 is discussed in the present specification.
- ☒ 3. An English-language Abstract of the non-English language reference 1 is attached hereto.
- ☒ 4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([<http://www.jpo.go.jp>]), and is attached, but has not been reviewed for accuracy. See Reference 1.
- ☒ 5. A concise explanation of the relevance of the non-English language reference 2 appears in the Appendix attached hereto.

Respectfully submitted,



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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117256		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANTS Fuyutoshi SATO et al.			
				FILING DATE September 23, 2003			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	1	JP A 2000-313664 w/ Abst & Trans	11/14/2000	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	2	OM. Matubara., W. Sakamoto, T. Yogo and S. Hirano, "Fabrication and characterization of lead-free $K_xNa_{1-x}Nb_yTa_{1-y}O_3$ piezoelectric ceramics", March 24, 2002, 2 pgs, Preprints of Annual Meeting of The Ceramic Society of Japan, 2000					
EXAMINER				DATE CONSIDERED			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: September 23, 2003